



520.38161CX2

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

Applicants: Kazuhisa ARUGA  
Serial No.: 10/615,907  
Filed: July 10, 2003  
For: DISK SUBSYSTEM  
Group: 2187  
Examiner: G. Portka

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MAR 19 2004  
Technology Center 2100

PRELIMINARY AMENDMENT

Commissioner for Patents  
P.O. Box 1450  
Alexandria, VA 22313-1450

December 5, 2003

Sir:

Prior to examination, please amend the above-identified application as follows.

12/09/2003 HUUDNG1 00000082 10615907

D1 FC:1202 36.00 OP  
D2 FC:1201 172.00 OP